SMC8014-TES

EZ Connect™ Transparent Ethernet Service Commercial Cable Modem Gateway

OVERVIEW

The SMC8014-TES Transparent Ethernet Service Cable Modem Gateway allows MSOs the opportunity to offer "Ethernet over DOCSIS" services to the SMB market at price points well below competitive solutions from incumbent providers. The SMC8014-TES is a standards based solution giving operators needed flexibility to support multi-vendor L2TPv3 compliant enterprise concentrators.

KEY FEATURES

Support Multiple VPN Opportunities

Branch Office

Teleworker

Cellular Backhaul / PECO Cells

OOB Management for Fiber Customers

Full Featured Operational Support

User friendly and powerful CLI includes many tools for quick configuration and troubleshooting

Remote management and provisioning via GUI and CLI

RADIUS, TACACS and TACACS+ login authentication

Flexible Deployment Options

SOHO / Peer-to-Peer: mesh network of up to four SMC8014-TES connected sites

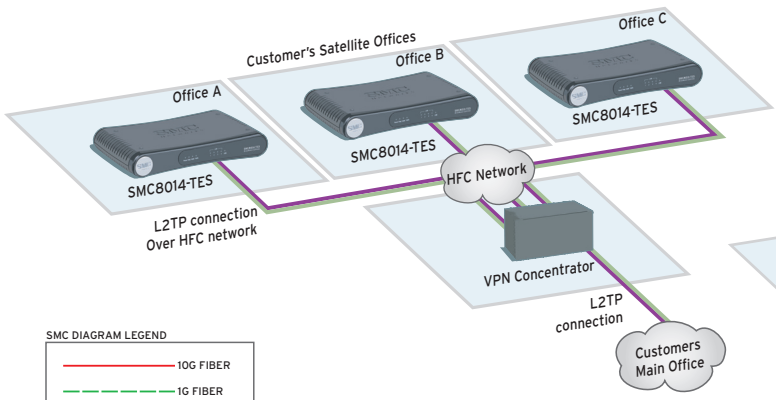
Enterprise: SMC8014-TES at multiple sites connect to a hosted VPN concentrator

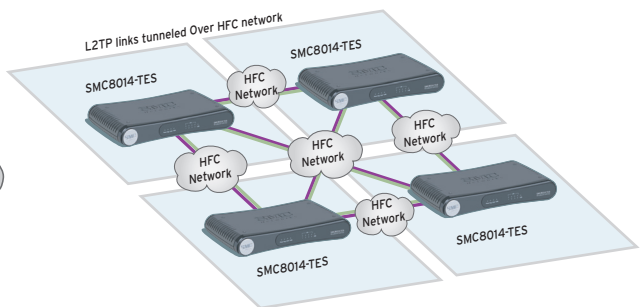
Advanced Business Class Features

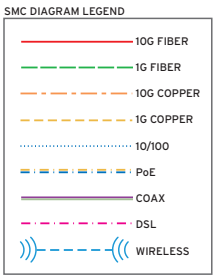
Standards based approach (L2TPv3 – RFC 3931) for maximum interoperability

802.1Q VLAN to segment customer's traffic

APPLICATION DIAGRAM







TECH SPECS - SMC8014-TES

COMPATIBILITY
- Platform independent – works with PC or Mac
- DOCSIS 1.1/2.0
- IEEE 802.3, 802.3u
- USB 1.1PORTS
- 4 10/100 BASE-TX MDI/MDIX RJ45 ports
- 1 USB 1.1 Connector Type B
- Cable Interface F type female 75ohm

CABLE MODEM FEATURES
- DOCSIS 2.0 certified
- MEF 9 certified (EPL, EVPL, E-LAN)
- MEF14 certified (EPL, EVPL, E-LAN)
- 64/256QAM auto detection
- Supports maximum DOCSIS transfer rates
- Independent resets for downstream and upstream blocks
- Fragmentation and concatenation enabling Quality of Service (QoS)

NETWORKING
- IEEE 802.1d compliant bridging
- ARP
- ICMP
- FTP/TFTP
- Telnet
- SSH
- Radius
- TACACS/TACACS+RFC 3931 SNMPv3
- Downloadable config files
- 802.1Q VLAN tagging

SECURITY
- Password protected configuration access
- Multiple User Profiles
- Web based authentication
- Comprehensive Logging
- L2TPv3 VPN Termination

SIGNAL LEVEL
- Downstream
  - Single Channel;-15 dBmv ~ +15 dBmv, total: < +30 dBmv
- Upstream
  - +8 dBmv ~ +58 dBmv (QPSK), +8 dBmv ~ +55 dBmv (16-QAM)

ERROR CORRECTION
- Downstream: ITU-T J.83 Annex B
- Upstream: DOCSIS upstream FEC with scalable interleaving

OPERATIONAL FREQUENCY
- Downstream: 91-857 MHz
- Upstream: 5-42 MHz

DEMODULATION
- Downstream: 64QAM,256QAM
- Upstream: QPSK,16QAM

OPERATING ENVIRONMENT
- Operating Temp. 0oC to 40ºC (32ºF to 104ºF)
- Storage Temp. -20ºC to 70ºC (-4ºF to 158ºF)
- Operating Humidity 10% to 85% Non-Condensing
- Storage Humidity 5% to 90% Non-Condensing

ENCRYPTION
- 56-bit/128-bit DES

CERTIFICATION
- FCC Part 15B Class B
- FCC Part 68
- CE mark EN55024
- FCC Part 15C Class B
- CE Class B
- UL

DIMENSIONS
- 9.4 x 5.4 x 1.4 in
- 23.88 x 13.7 x 3.6 cm

WEIGHT
- .93 lbs
- 420 g

LEDs
- Power, Diag, Cable, Traffic, USB, EthernetPOWER
- 12V/1.25A

WARRANTY
- Limited Lifetime

CONTACT

North America
20 Mason
Irvine, CA 92618
1-800-SMC-4YOU
24/7 Technical Support

Europe/Africa
Fructuos Gelabert 6-8
08970 Sant Joan Despí
Barcelona, Spain

Check www.smc.com for your local country contact information

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